

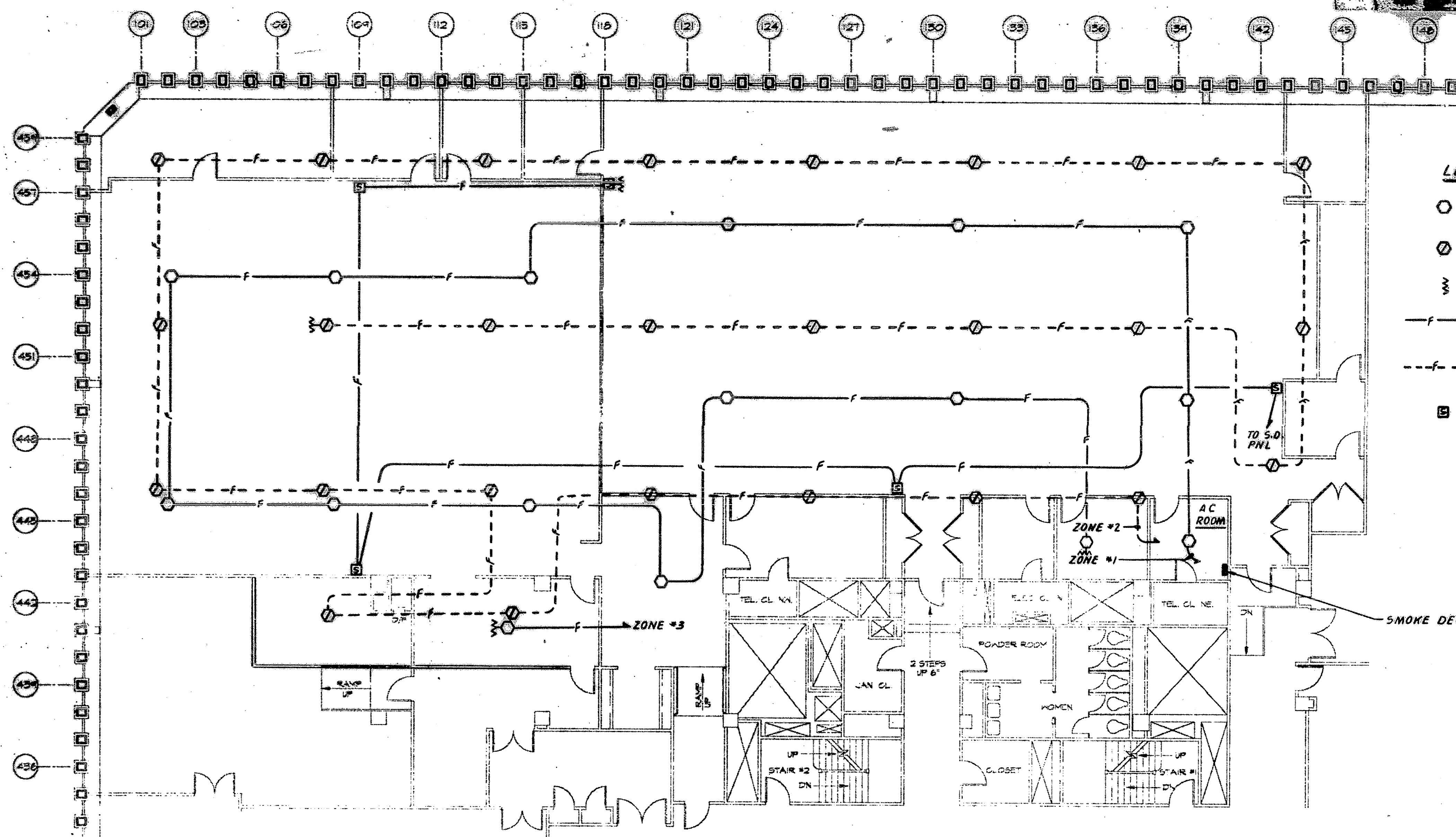
A-10-1
Drawing
C-1-1

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

WEST STREET



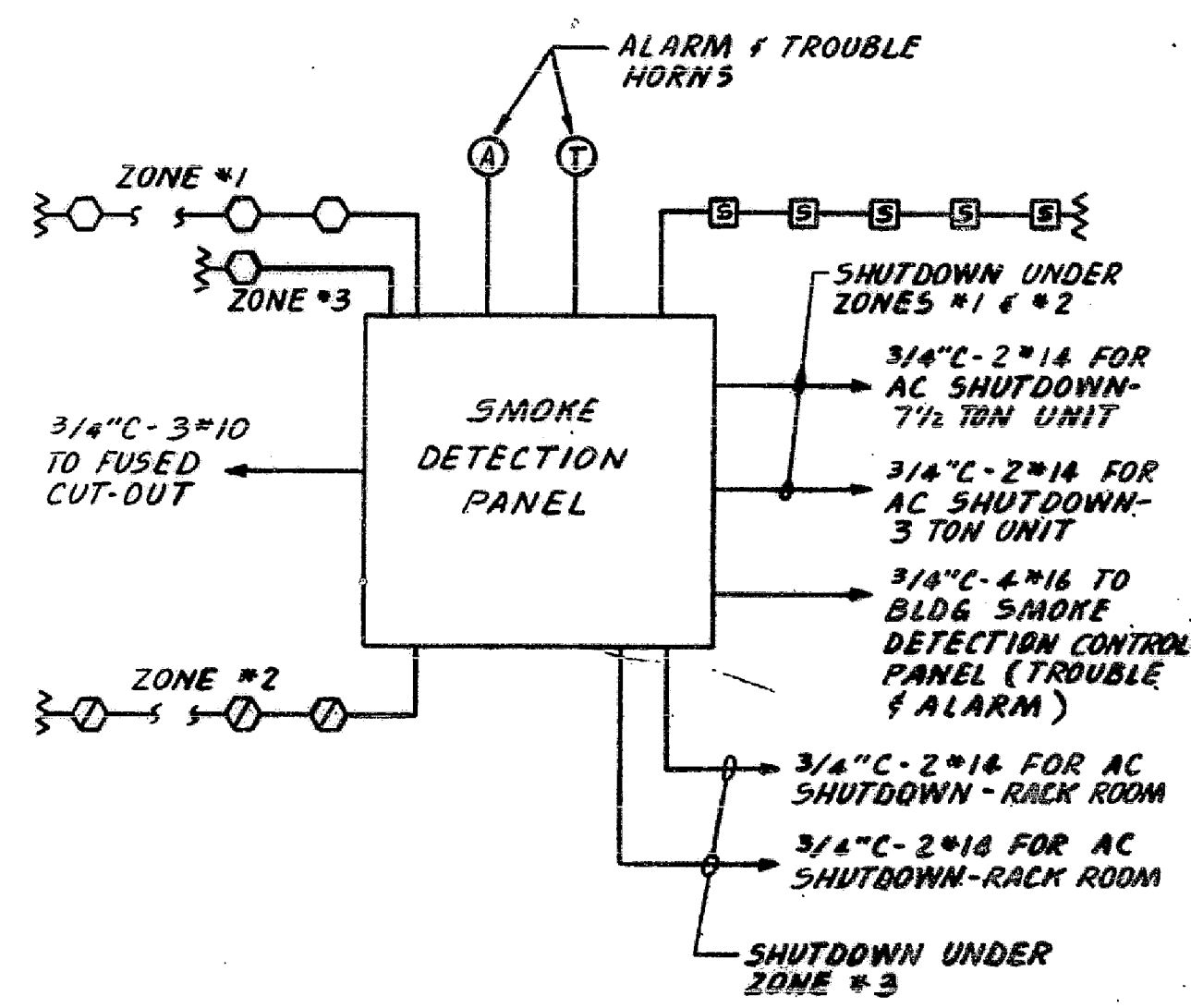
- LEGEND (FOR THIS DWG ONLY)**
- SMOKE DETECTOR MOUNTED ON CEILING
 - ◊ SMOKE DETECTOR MOUNTED UNDER RAISED FLOOR
 - END OF LINE DEVICE
 - 2*16 FIRE ALARM CABLE RUN IN 3/4" GSC IN HUNG CEILING
 - - - 2*16 FIRE ALARM CABLE RUN IN 3/4" GSC BELOW RAISED FLOOR
 - HORN & STROBE UNIT MOUNTED 6'-8" ABOVE RAISED FLOOR

2.01 DETECTION SPECIFICATIONS

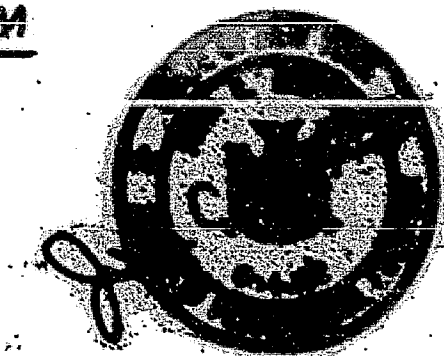
1.01 GENERAL
A. The smoke detection system and all associated equipment required for proper operation shall be as shown on the Contract Drawings.
B. All equipment shall be represented by complete service notes of the manufacturer and shall conform to the requirements of the Fire Department of the City of N.Y.
C. The system shall be installed in accordance with the details shown on the Contract Drawings and as required for proper operation.
D. All equipment shall be approved by the Board of Standards and Technical Council of the City of New York.
E. All wiring, conduit, terminal boxes and all other equipment over and above that shown on the Contract Drawings shall be furnished without extra charge if required for the proper operation of the system.
F. The contractor shall submit for approval, shop drawings, wiring diagrams and a complete technical information for the smoke detection system, number and type of components, and complete instructions on the proper operation and use, maintenance, trouble shooting, together with the source and location of the item of equipment or the system covered.
G. The contractor shall provide a minimum of (6) future modules.
H. A standard supply consisting of a sealed gel electrolyte type battery and a battery charger shall be provided in the smoke detection system in case of power failure shall be mounted in the smoke detection system.
I. An alarm and trouble signal shall be provided to the WTC police desk via nearest existing fire alarm system.

2.02 NAMEPLATES
A. Nameplates shall be fabricated from plastic, with letters engraved white on black background.
B. Zone identifications shall be typewritten.
3.01 INSTALLATION
A. After installation, system performance tests, including start-up and calibration of all components with all devices connected to the permanent construction, shall be conducted before any other tests are conducted.
B. The Contractor shall have the test procedure submitted to the Engineer for approval.
C. The tests shall be witnessed by the Engineer and shall continue until the results are satisfactory to the Engineer.
D. The tests shall be performed by a certified technician (factory trained) using the manufacturer's recommended test procedures and equipment.

2.03 WIRING
A. All wires and cables shall be multi-conductor type with twisted pairs. Cable shall be installed in "PVC" service as required intervals throughout its length, and approved for use in Class "I" fire alarm systems. All wiring shall be installed in accordance with requirements of the New York City Electrical Code for Class "I" systems. In addition, all wiring shall be installed in accordance with the requirements of the PANYNJ Fire Alarm Code.
B. All wires and cables shall be multi-conductor type with twisted pairs. Cable shall be installed in "PVC" service as required intervals throughout its length, and approved for use in Class "I" fire alarm systems. All wiring shall be installed in accordance with requirements of the New York City Electrical Code for Class "I" systems. In addition, all wiring shall be installed in accordance with the requirements of the PANYNJ Fire Alarm Code.



BLOCK DIAGRAM



NOTES:

ISSUES:

NO.	DATE	COPIES	ISSUE
1	6-1-92	AC PER P.A. COMMENTS	

client name
CANTOR FITZGERALD
WORLD TRADE CENTER NEW YORK, N.Y.

drawing title
SMOKE DETECTION PLAN & SPECIFICATIONS

scale	proj. no.	date	sheet
1/8" = 1'-0"	92113-R	3/13/92	104

drawn by
SLG

approved by
JQW

sheet no.
OF

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